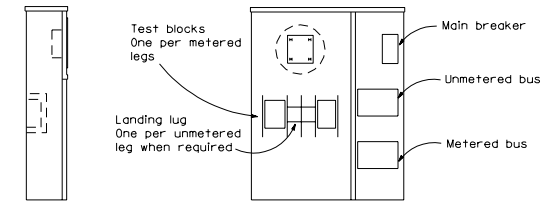
| DIST | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| | | | | | |

REGISTERED ELECTRICAL ENGINEER

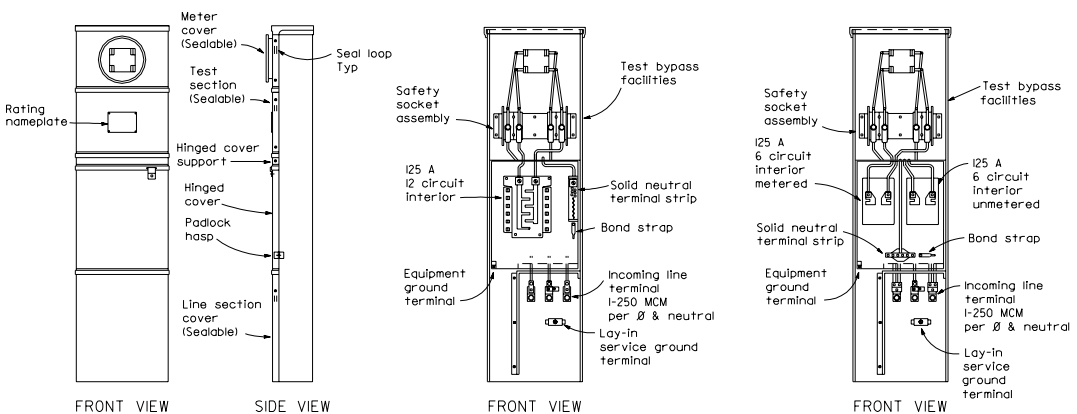
July 1, 1999
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Sampol Chatusripitak
No. E13633
Exp. 6-30-03
ELECTRICAL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.




TYPE II-A SERVICE EQUIPMENT ENCLOSURE




TYPE II-B SERVICE EQUIPMENT ENCLOSURE

## NOTES-TYPE II SERVICE EQUIPMENT ENCLOSURES

1. Service equipment enclosures and metering equipment shall meet the requirements of the serving utility. When the serving utility provides both metered and unmetered circuits, a separate bus shall be provided for each circuit.
2. Service equipment enclosures shall be factory wired and conform to NEMA Standards and to Section 86-2.11, "Service" of the Standard Specifications.
3. Service equipment enclosures shall be NEMA 3R construction and shall be provided with dead front panel and provisions for padlocking.
4. All control wiring shall be 600 V number 14 stranded machine tool wire. Where subject to flexing, 19 strand wire shall be used.
5. All main bus shall be rated for 125 A and shall be tin-plated copper.
6. An engraved phenolic nameplate on the dead front panel indicating the function of each circuit breaker or device shall be installed with stainless steel rivets or stainless steel screws:
   a) Adjacent to the breaker or device. Character size shall be a minimum of 3 mm.
   b) At top of the exterior door panel indicating system number, voltage level and number of phases. Character size shall be a minimum of 5 mm.
7. A plastic laminated wiring diagram shall be provided and attached to the inside of the front door.
8. In unpaved areas, a raised portland cement concrete pad of 600 mm x 100 mm x width of service equipment enclosure foundation or controller cabinet foundation shall be constructed in front of Type II service equipment enclosures.
9. Internal bus, where shown, is typical only. Alternative designs of proposed service equipment enclosures shall be submitted to the Engineer for approval.
10. Circuit breakers may be mounted in the vertical or horizontal position.
11. Dimensions of service equipment enclosures shall meet the requirements of the serving utility.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

# SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS SERVICE EQUIPMENT TYPE II SERIES

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

**ES-2B**

1999 STD. PLAN ES-2B